

Appendix A: State of Idaho water quality standard

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Table A-1. State of Idaho water quality numeric standards (from Idaho Department of Environmental Quality Water Quality Standards and Wastewater Treatment Requirements).
Max = maximum, avg = average, and min = minimum.

Beneficial use	Criteria						
	pH	Dissolved gas ¹	Chlorine ²	Toxic substances ³	Ammonia	Intergravel dissolved oxygen	Radioactivity
Cold Water Biota	>= 6.5 and <= 9.5	<= 110% saturation	19.0 ug/l, 1-hr avg; 11.0 ug/l, 4-day avg	<= CMC or CCC; <= Human Health criteria ⁵	varies ⁴		
Warm Water Biota	>= 6.5 and <= 9.5	<= 110% saturation	19.0 ug/l, 1-hr avg; 11.0 ug/l, 4-day avg	<= CMC or CCC; <= Human Health criteria ⁵	varies ⁴		
Salmonid Spawning	>= 6.5 and <= 9.5	<= 110% saturation	19.0 ug/l, 1-hr avg; 11.0 ug/l, 4-day avg	<= CMC or CCC; <= Human Health criteria ⁵	varies ⁴	>= 5.0 mg/l, 1-day min	
						>= 6.0 mg/l, 7-day avg mean	
Primary & Secondary Contact Recreation				<= Human Health criteria ⁵			
Domestic Water Supply				<= Human Health criteria ⁶			varies ⁷

¹at atmospheric pressure at point of collection

²total residual chlorine

³criteria from 40 CFR 131.36(b)(1) as modified by Section 250.07 of the Water Quality Standards and Wastewater Treatment Requirements; CMC (Criteria Maximum Concentration) - maximum concentration for one hour, CCC (Criteria Continuous Concentration) - maximum concentration for four days

⁴varies according to temperature and pH

⁵for consumption of organisms only

⁶for consumption of water and organisms

⁷varies based on results; criteria from Idaho Department of Health and Welfare (nda) Idaho Rules for Public Drinking Water Systems based on 40 CFR 141.15 and 16

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